

# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

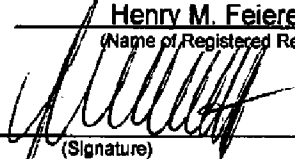
Docket No.: FINKLER-3

In re Application of:	)	
ROLAND FINKLER	)	
U.S. Appl. No.: 10/599,679	)	
Int. Appl. No.: PCT/EP2005/051221	)	
Int. Filing Date: March 16, 2005	)	Confirmation No.: 2745
For: MOTOR CONTROL DEVICE AND CORRESPONDING CONTROL METHOD	)	

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

<b>CERTIFICATION OF EFS-WEB TRANSMISSION</b>	
I hereby certify that this paper is being EFS-Web transmitted to the U.S. Patent and Trademark Office, Alexandria VA 22313-1450, on <u>April 3, 2007</u> .	
Date	
<u>Henry M. Feiereisen</u> (Name of Registered Representative)	
 (Signature)	<u>4-3-2007</u> (Date of Signature)

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the references listed on enclosed form PTO-1449 which were cited in the instant specification and in the International Search Report issued by the European Patent Office with regard to the corresponding International patent application No. PCT/EP2005/051221, respectively. Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

Copies of these references are submitted herewith along with form PTO-1449. **Please note that the publication date of all references is listed as "DD-MM-YYYY".** The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.

In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith submits a copy of the International Search Report. In addition, applicant notes with respect to any information that is not in English language as follows:

The Paper by R. Kirchberger "Verbesserte Erfassung von Lage und Geschwindigkeit an Hochgeschwindigkeitsspindeln" ["Improved sensing of position and speed on high speed spindles]", Lageregelseminar [Position control seminar] 2001 describes a reduction of the interference signal  $r_x$ , for example, by oversampling.

German Offenlegungsschrift DE 100 24 394 A1 describes a method which involves detecting (3) an element acceleration ( $a$ ), integrating it to determine a model speed ( $v_M$ ), detecting an element position, differentiating it to derive measurement speed ( $v_1$ ), using the model speed to determine an actual speed ( $v$ ), subtracting the model and measurements speeds, feeding the result to a regulator with an integral component, especially a PI regulator (13), summing the output signal with the acceleration value. Independent claims are also included for the following: a computer program product for implementing the method and a control arrangement for implementing the method.

German Patent No. DD 259 288 A1 describes a circuit arrangement for control of rotation speed of d.c. commutator motors with a motor governor and a filtering unit. The circuit arrangement is composed of a pre-amplification control (2), at least two band pass filters (3.1...3.n) and a summator with rectification circuit (4). A resistance (8) is switched in series with the d.c.

commutator motor (7), and the pre-amplification control is associated to the resistance. At least two parallel band pass filters with different medium frequency is arranged downstream of the pre-amplification control, with each band pass filter connected via a resistance to the summator with rectification circuit (4). The summator with rectification circuit (4) is linked via the filtering unit (6) to the motor governor (1).

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

Respectfully submitted

By: 

Henry M. Feiereisen  
Agent for Applicant  
Reg. No. 31,084

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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**Complete if Known**

Application Number	10/599-679
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Filing Date	10/5/2006
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First Named Inventor	Dr. Roland Finkler
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Art Unit	2837
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Examiner Name	Paul Ip
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Attorney Docket Number	- FINKLER-3
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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	/Paul Ip/	Date Considered	12/10/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Application Number	10/599,679
Filing Date	10/5/2006
First Named Inventor	Dr. Roland Finkler
Art Unit	2837
Examiner Name	Paul Ip
Attorney Docket Number	FINKLER-3

Sheet	1	of	1
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Examiner Signature	/Paul Ip/	Date Considered	12/10/2008
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1. Applicant's unique citation designation number (optional). 2. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.41. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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